



INVESTIGATOR'S ANNUAL REPORT

United States Department of the Interior
National Park Service

All or some of the information you provide may become available to the public.

OMB # (1024-0236)
Exp. Date (11/30/2010)
Form No. (10-226)

Reporting Year: 2007	Park: Shenandoah NP	Select the type of permit this report addresses: Scientific Study	
Name of principal investigator or responsible official: Kelsey Glennon		Office Phone: 202-994-4412	
Mailing address: Lisner Hall 340 2023 G St NW Washington, DC 20052 USA		Office FAX Office Email kglennon@gwu.edu	
Additional investigators or key field assistants (first name, last name, office phone, office email) Name: Dr. Sheri Church Phone: 202-994-0274 Email: schurch@gwu.edu			
Project Title (maximum 300 characters): Examining ploidy level influences on hybridization in the Houstonia section Amphiotis			
Park-assigned Study or Activity #: SHEN-00339	Park-assigned Permit #: SHEN-2007-SCI-0009	Permit Start Date: Jul 01, 2007	Permit Expiration Date: Oct 31, 2007
Scientific Study Starting Date: Jul 01, 2007		Estimated Scientific Study Ending Date: Oct 31, 2007	
For either a Scientific Study or a Science Education Activity, the status is: Continuing		For a Scientific Study that is completed, please check each of the following that applies: <input type="checkbox"/> A final report has been provided to the park or will be provided to the park within the next two years <input type="checkbox"/> Copies of field notes, data files, photos, or other study records, as agreed, have been provided to the park <input type="checkbox"/> All collected and retained specimens have been cataloged into the NPS catalog system and NPS has processed loan agreements as needed	
Activity Type: Research			
Subject/Discipline: Plant Communities (Vegetation)			

Purpose of Scientific Study or Science Education Activity during the reporting year (maximum 4000 characters): This research investigates the relationship of polyploidy and hybridization on plant speciation. Specifically, I am interested in the hybridization patterns of Houstonia species and the influence of ploidy level. Exploring this relationship will provide data relevant to evolutionary studies. With these data, not only will more direct conclusions be drawn in regards to the influences of polyploidy and hybridization, but genetic data will be provided for the conservation efforts of H. montana.
Findings and status of Scientific Study or accomplishments of Science Education Activity during the reporting year (maximum 4000 characters): Presently, leaf tissue and seeds have been collected from these regions and molecular analyses to gather genetic population data are in progress.
For Scientific Studies (not Science Education Activities), were any specimens collected and removed from the park but not destroyed during analysis?

No	
Funding specifically used in this park this reporting year that was provided by NPS (enter dollar amount): \$0	Funding specifically used in this park this reporting year that was provided by all other sources (enter dollar amount): \$2500
List any other U.S. Government Agencies supporting this study or activity and the funding each provided this reporting year:	

Paperwork Reduction Act Statement: A federal agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. Public reporting for this collection of information is estimated to average 1.625 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the forms. Direct comments regarding this burden estimate or any aspect of this form to Dr. John G. Dennis, Natural Resources (3127 MIB), National Park Service, 1849 C Street, N.W., Washington, DC 20240.